



U.S. Department  
of Transportation

**Research and  
Special Programs  
Administration**

AUG 10 2000

400 Seventh Street, S.W.  
Washington, D.C. 20590

DOT-E 9478  
(SECOND REVISION)

EXPIRATION DATE: July 31, 2002

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Meggitt Safety Systems Inc.  
Simi Valley, California  
(Former Grantee: Whittaker Safety Systems)

2. PURPOSE AND LIMITATIONS:

This exemption authorizes the manufacture, mark, sale and use of a non-DOT specification cylinder conforming with all regulations applicable to a DOT specification 3AL cylinder, except as specified herein, for the transportation in commerce of the materials authorized by this exemption. This exemption provides no relief from any Hazardous Materials Regulation (HMR) other than as specifically stated herein.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171- 180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.304 and 175.3 in that non-DOT specification cylinders are not authorized except as prescribed herein.
5. BASIS: This exemption is based on the application of Meggitt Safety Systems dated July 12, 2000, submitted in accordance with § 107.109.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name/ Hazardous Material Description	Hazard Class/ Division	Identi- fication Number	Packing Group
Fire extinguishers, with bromotrifluoromethane	2.2	UN1044	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packagings prescribed are non-DOT Specification cylinders conforming to drawing 25693 Rev. P7, on file with the Office of Hazardous Materials Transportation Exemptions and Approvals (OHMEA) and DOT 3AL (§ 178.46) specification except as follows:

§ 178.46(a) *Size and service pressure.*

Seamless aluminum cylinder with maximum water capacity of 30 cubic inches and a service pressure of 625 psig.

§ 178.46(c) *Manufacture.*

\* \* \*

(5) \* \* \*

(i) \* \* \*

(ii) Third sentence is revised to read "Failure must initiate in the cylinder sidewall".

§ 178.46(e) *Openings.*

\* \* \*

(5) The following openings are authorized in the top head:

(i) One 1 5/8 inch centered neck opening.

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(ii) Two 5/16 inch openings normal to and through in the neck sidewall at 180° to each other.

§ 178.46(h) *Flattening test.*

Flattening test is not required provided that a burst test on one cylinder out of each lot of 200 cylinders or less is performed. Failure must be in a ductile mode initiating in the cylinder sidewall. Test cylinder must remain in one piece. Burst pressure must be at least 4000 psig.

§ 178.46(q) *Marking.*

Each cylinder must be permanently marked by stamping on the cylinder shoulder, head, neck or base in the order as required in 178.35(f) except that the marking "DOT 3AL" must be replaced by "DOT-E 9478 - 625".

b. TESTING - Each cylinder must be reinspected and retested at least once every five years in accordance with § 173.34(e) as prescribed for DOT Specification 3AL cylinders.

8. SPECIAL PROVISIONS:

a. In accordance with the provisions of Paragraph (b) of § 173.22a, persons may use the packaging authorized by this exemption for the transportation of the hazardous materials specified in paragraph 6, only in conformance with the terms of this exemption.

b. A person who is not a holder of this exemption, but receives a package covered by this exemption, may reoffer it for transportation provided no modifications or changes are made to the package and it is offered for transportation in conformance with this exemption and the HMR.

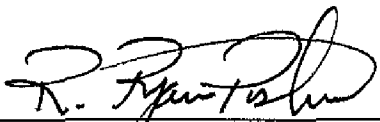
c. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

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- d. Each packaging manufactured under the authority of this exemption must be marked with a registration symbol designated by the Office of Hazardous Materials Exemptions and Approvals for a specific manufacturing facility.
- e. A current copy of this exemption must be maintained at each facility where the package is manufactured under this exemption. It must be made available to a DOT representative upon request.
9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight and cargo aircraft only.
10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel, aircraft or motor vehicle used to transport packages covered by this exemption. The shipper shall furnish a copy of this exemption to the air carrier before or at the time the shipment is tendered.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:
- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, Parts 171-180.
  - o Registration required by § 107.601 et seq., when applicable.
- Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.
- No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.
12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents

or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must also inform the AAHMS, in writing, as soon as practicable of any incidents involving the package and shipments made under this exemption.

Issued at Washington, D.C.



*for* Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

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(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590. Attention: DHM-31.

The original of this exemption is on file at the above office. Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

Copies of exemptions may be obtained from the AAHMS, U.S. Department of Transportation, 400 7th Street, S.W., Washington, DC 20590-0001, Attention: Records Center, 202-366-5046.

PO: KFW